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09/533,148	03/23/2000	Eddie Huey Chiun Lin	99-313	1189

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EXAMINER
BARQADLE, YASIN M

ART UNIT	PAPER NUMBER
2153	

DATE MAILED: 12/05/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/533,148	Applicant(s) LIN, EDDIE HUEY CHIUN	
	Examiner Yasin M Barqadle	Art Unit 2153	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____ .

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-25* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-25* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11)☐ The proposed drawing correction filed on _____ is: a)☐ approved b)☐ disapproved by the Examiner.

If approved, corrected drawings are required in reply to this Office action.

12)☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

13)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____ .

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

14)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

a) ☐ The translation of the foreign language provisional application has been received.

15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 .
4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

DETAILED ACTION

1. Claims 1-25 are presented for examination.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless -
>
> (e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) do not apply to the examination of this application as the application being examined was not (1) filed on or after November 29, 2000, or (2) voluntarily published under 35 U.S.C. 122(b). Therefore, this application is examined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

2. Claims 1-25 are rejected under 35 U.S.C. 102(e) as being anticipated by Pelavin et al US (6393486).

3. As per claim 1 and 14, Pelavin et al teaches a method for analyzing a data network having a plurality of routers comprising:

accessing at least one of static routing information and route summarization information [network configuration information including static and route summarization are captured and stored in a data base for analysis (note Fig. 2-1, item 5 (static route information) and item 4 (routing protocols such as OSPF, RIP and BGP information) Col. 9, lines 12-67 and Col. 10, lines 1-21];

determining an identity of a network prefix using the accessed information [Col. 9, lines 26-67 and Col. 10, lines 1-51]; and

analyzing the data network using the determined identity [Col.10, lines 45-66].

4. As per claim 2 and 15,Pelavin et al teach a method wherein the accessing includes:

accessing at least one of a static routing table and open shortest path first route summarization tale [Note see Fig. 2-1, item 5 (static route information) and item 4 (routing protocols such as OSPF, RIP and BGP information) Col. 9, lines 12-67 and Col. 10, lines 1-21].

5. As per claim 3 and 16, Pelavin et al teach a method wherein determining includes:

determining router information, interface information, and association information for the networks prefix [Fig. 2-1Col. 12, lines 38-65 and Col.13, lines 13-19].

6. As per claim 4 and 17, Pelavin et al teach the method wherein analyzing includes:

analyzing traffic of data network [Col. 11, lines 5-21].

7. As per claim 5 and 18, Pelavin et al teach the method wherein analyzing includes:

modeling the data network [Col. 11, lines 5-30].

8. As per claim 6 and 19, Pelavin et al teach the method wherein the determining includes:

determining an identity of an exit or entry router in the data network [from the routing table the next-hop router is determined Col. 9, lines 64-61 and Col. 10, lines 1-21].

9. As per claim 7, Pelavin et al teach a system for analyzing a data network having a plurality of routers, said system comprising:

means for accessing at least one of static routing information and route summarization information [See Fig. 2-

1, item 5 (static route information) and item 4 (routing protocols such as OSPF, RIP and BGP information) Col. 9, lines 12-67 and Col. 10, lines 1-21];

means for determining, an identity of a network prefix using the accessed information [Col. 9, lines 58-67 and Col. 10, lines 1-51]; and

means for analyzing the data network using the determined identity [Col. 10, lines 45-66].

10. As per claim 8, Pelavin et al teach a system for analyzing a data network, said system comprising:

a memory configured to store information representing static routing information and route summarization information [Col.14, lines 30-38]; and

a processor configured to:

access at least one of the static routing information and the route summarization information [See Fig. 2-1, item 5 (static route information) and item 4 (routing protocols such as OSPF, RIP and BGP information) Col. 9, lines 12-67 and Col. 10, lines 1-21];

determine an identity of a network prefix using the accessed information [Col. 9, lines 26-67 and Col. 10, lines 1-51]; and

analyze the data network using the determined identity [Col.10, lines 45-66].

11. As per claim 9, Pelavin et al teach a system wherein, when accessing, the processor is configured to:

access at least one of a static routing table and an open shortest path first route summarization table [Note see Fig. 2-1, item 5 (static route information) and item 4 (routing protocols such as OSPF, RIP and BGP information) Col. 9, lines 12-67 and Col. 10, lines 1-21].

12. As per claim 10, Pelavin et al teach a system wherein, when determining, the processor is configured to:

determine router information, interface information, and association information for the network prefix [Fig. 2-1Col. 12, lines 38-65 and Col.13, lines 13-19].

As per claim 11, Pelavin et al teach a system wherein, when analyzing, the processor is configured to:

analyze traffic of the data network using the determined identity [Col. 11, lines 5-21].

13. As per claim 12, Pelavin et al teach a system wherein, when analyzing, the processor is configured to:

model the data network using the determined identity [Col. 11, lines 5-30].

14. As per claim 13, Pelavin et al teach a system wherein, when determining, the processor is configured to:

determine an identity of an exit or entry router in the data network [from the routing table the next-hop router is determined Col. 9, lines 64-61 and Col. 10, lines 1-21].

15. As per claim 20, Pelavin et al teach a method for determining an identity of a network device, the network device being associated with a network prefix, the method comprising:

accessing one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [Fig. 2-1, item 5 (static route information) and item 4 (routing protocol types include OSPF, RIP and BGP information and network topology) Col. 13, lines 29-67. See also Col. 9, lines 12-67 and Col. 10, lines 1-21];

determining whether one of the accessed tables contains the network prefix [Col.8, lines 62-67 and Col. 9, lines 1-38]; and

determining an identity of the network device when a table is determined to contain the network prefix [Col. 9, lines 26-67 and Col. 10, lines 1-51].

16. As per claim 21, Pelavin et al teach a method wherein the determining an identity includes:

determining router information, interface information, and association information [Fig. 2-1 Col. 12, lines 38-65 and Col.13, lines 13-19].

17. As per claim 22, Pelavin et al teach a system for determining an identity of a network device, the network device being associated with a network prefix, the system comprising:

a memory configured to store one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [network information and router configuration information stored in a database. Fig. 2-1, shows such information as Static route, OSPF and BGP information Col.11, lines 5-21 and Col.14, lines 30-38]; and

a processor (Figs. 1d and 1c) configured to:

access, from the memory, one or more of the border gateway protocol peering table, the static route table, the open shortest path first route summarization table, and the network topology table [Fig. 2-1, item 5 (static route information) and item 4 (routing protocol types include OSPF, RIP and BGP information and network topology) Col. 13, lines 29-67. See also Col. 9, lines 12-67 and Col. 10, lines 1-21];

determine whether one of the accessed tables contains the network prefix [Col. 8, lines 62-67 and Col. 9, lines 1-38]; and

determine an identity of the network device when a table is determined to contain the network prefix [Col. 9, lines 26-67 and Col. 10, lines 1-51].

18. As per claim 23, Pelavin et al teach a system wherein, when determining an identity, the processor is configured to:

determine router information, interface information, and association information [Fig. 2-1Col. 12, lines 38-65 and Col.13, lines 13-19].

19. As per claim 24, Pelavin et al teach a computer-readable medium containing instructions for controlling at least one processor to perform a method that determines an identity of a network device, the network device being associated with a network prefix, the method comprising:

accessing, from a router, one or more of a border gateway protocol peering table, a static route table, an open shortest path first route summarization table, and a network topology table [Fig. 2-1, item 5 (static route information) and item 4 (routing protocol types include OSPF, RIP and BGP information and network topology) Col. 13,

lines 29-67. See also Col. 9, lines 12-67 and Col. 10, lines 1-21];

determining whether one of the accessed tables contains the network prefix [Col. 8, lines 62-67 and Col. 9, lines 1-38]; and

determining an identity of the network device when a table is determined to contain the network prefix [Col. 9, lines 26-67 and Col. 10, lines 1-51].

20. As per claim 25, Pelavin et al teach the computer-readable medium of claim 24 wherein the determining an identity includes:

determining router information, interface information, and association information [Fig. 2-1 Col. 12, lines 38-65 and Col.13, lines 13-19].

Conclusion

21. The prior Art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yasin M Barqadle whose telephone number is 703-305-5971. The examiner can normally be reached on 9:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Burgess can be reached on 703-305-9717. The fax phone numbers for the organization where this application or proceeding is assigned are 703-305-7201 for regular communications and 703-305-5404 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-304-3900.

YB

November 30, 2002

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